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(to be used for all correspondence after initial filing)

Application Number	09/438,206
Filing Date	November 12, 1999
First Named Inventor	Riyi Shi et al.
Group Art Unit	1623 MAR 3 / 2
Examiner Name	TECH 3 1 2
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Total Number of Pages in This Subm	ission 5* Attorney Docket Number	7024-427/PUR-100NTER 1600/2			
ncluding this transmitta	ENCLOSURES (check all that app				
Fee Transmittal Form form	Assignment Papers (for an Application)	After Allowance Communication to Group			
Fee Attached	Drawing(s)	Appeal Communication to Board of Appeals and Interferences			
Amendment / Response	Licensing-related Papers	Appeal Communication to Group (Appeal Notice, Brief, Reply Brief)			
- After Final	Petition Routing Slip (PTO/SB/69) and Accompanying Petition	Proprietary Information			
Affidavits/declaration(s)	Petition to Convert to a Provisional Application	Status Letter			
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Document(s) Response to Missing Parts/ Incomplete Application Response to Missing Parts under 37 CFR 1.52 or 1.53	Remarks X Petition for Corrected F	iling Receipt			
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or	Jason J.Schwartz Woodard, Emhardt, Naughton, Moriarty & McNett				
Signature					
Date March 21, 20	00				

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PTO-103X . * . (Rev. 6-99)

FILING RECEIPT
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APPLICATION NUMBER	FILING DATE	GRP ART UNIT	FIL FEE REC'D	ATTORNEY	DOCKET NO.	DRWGS	TOT CL	IND CL
09/438,206 1		1623	\$843.00				21	3

KENNETH A GANDY
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MORIARY & MCNETT BANK ONE CENTER/TOWER
111 MONUMENT CIRCLE SUITE 3700
INDIANAPOLIS IN 46204-5137



Receipt is acknowledged of this nonprovisional Patent Application. It will be considered in its order and you will be notified as to the results of the examination. Be sure to provide the U.S. APPLICATION NUMBER, FILING DATE, NAME OF APPLICANT, and TITLE OF INVENTION when inquiring about this application. Fees transmitted by check or draft are subject to collection. Please verify the accuracy of the data presented on this receipt. If an error is noted on this Filing Receipt, please write to the Office of Initial Patent Examination's Customer Service Center. Please provide a copy of this Filing Receipt with the changes noted thereon. If you received a "Notice to File Missing Parts of Application" ("Missing Parts Notice") in this application, please submit any corrections to this Filing Receipt with your reply to the "Missing Parts Notice," When the PTO processes the reply to the "Missing Parts Notice," the PTO will generate another Filing Receipt incorporating the requested corrections (if appropriate).

Applicant(s)

RIYI SHI, WEST LAFAYETTE, IN; RICHARD B. BORGENS, DELPHI, IN.

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TITLE
METHOD AND COMPOSITIONS FOR TREATING MAMMALIAN SPINAL CORD INJURIES
PRELIMINARY CLASS: 514

RECEIVED

FEB 0 4 2000

Woodard, Edinardi, Pering Monarty & Moveus

DATA ENTRY BY: BATIE, MARGARET

TEAM: 01 DATE: 01/27/00

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(See reverse for new important information)

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IN THE UNITED STATES PATENT AND TRADEMARK OFFICE

In re patent application of:		Wen
Riyi Shi et al.		MAR 3 1 2000 TECH CENTER 1600/2900
Serial No. 09/438,206)		1600/2900
) Filed: November 12, 1999	Group Art Unit 1623	
)	March 21, 2000	
METHODS AND COMPOSITIONS FOR)	
TREATING MAMMALIAN SPINAL)	r	
CORD INJURIES)	ı	

PETITION FOR CORRECTED FILING RECEIPT

Assistant Commissioner for Patents Washington, D.C. 20231

ATTN: Office of Initial Patent Examination's Customer Service Center

Sir:

Please include the parent provisional application's filing date and serial number on the filing receipt in order to correctly reflect the parentage of this patent application. This information appears on the first page of the specification of this application, a copy of which is attached herewith for your convenience.

Also, please note that "METHOD" in the title of this application, as it currently appears on the filing receipt, should be "METHODS". This can also be found on the first page of the attached patent application's specification.

Please issue a corrected filing receipt for this application.

Respectfully submitted,

By

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7024-427:PUR-100:66597

METHODS AND COMPOSITIONS FOR TREATING MAMMALIAN SPINAL CORD INJURIES

This invention was made with government support under grant number DAMD17-94-J-4242 awarded by the Department of the Army and grant number BES9631560 awarded by the National Science Foundation. The Government has certain rights in the invention.

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CROSS-REFERENCE TO RELATED APPLICATIONS

The present application <u>claims</u> the benefit of U.S. <u>Provisional</u>
Application Serial Number 60/108,145, filed on November 12, 1998, which is hereby incorporated by reference in its entirety.

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BACKGROUND OF THE INVENTION

The present invention relates generally to methods for treating an injured spinal cord. Specifically, the invention relates to methods for treating an injured spinal cord that include contacting the spinal cord with a biomembrane fusion agent. Pharmaceutical compositions for treating an injured spinal cord are also described.

The devastating effects of injury to the mammalian spinal cord are not immediate. Severe mechanical injury initiates a delayed destruction of spinal cord tissue producing a loss in nerve impulse conduction associated with a progressive local dissolution of nerve fibers (axons) [Honmou, O. and Young, W. (1995) *The Axon* (Waxman, S.G., et al., Eds.) pp. 480-529, Oxford University Press, New York; Griffin, J.W. et al. (1995) *The Axon* (Waxman, S.G., et al., Eds.) pp. 375-390, Oxford University Press, New York]. This loss of sensory and motor communication across the injury site can produce a permanent paralysis and loss of sensation in regions below the level of the spinal injury. Furthermore, it is clear the most damaging effects of progressive "secondary injury" [Young, W. (1993) *J. Emerg. Med.* 11:13-22] of spinal cord parenchyma relative to the loss of behavioral